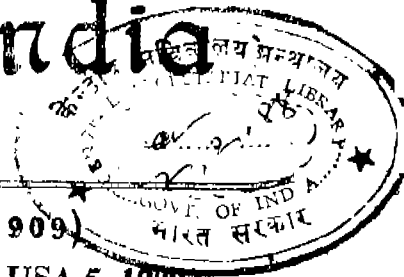




भारत का राजपत्र The Gazette of India

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No. 52] NEW DELHI, SATURDAY, DECEMBER 26, 1987 (PAUSA 5, 1909)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अतिपूवनाएं और नोटिस

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(1283)

CORRIGENDUM

(1)

In the Gazette of India Part III, Section 2 dated the 14th November, 1987 under the heading "PATENTS SEALED" delete 157065.

(2)

In the Gazette of India Part III, Section 2 dated the 28th November 1987 under the heading "PATENTS SEALED" delete 158442.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 19th November 1987

- 905/Cal/87. Flintab AB. Rocker pin load cell.
- 906/Cal/87 Martha-Catharina Heiliger. Steel sprocket bar for the drift mining.
- 907/Cal/87 Gewerkschaft Eisenhute Westfalia GmbH. Mobile support frame unit for underground mine workings.
- 908/Cal/87 American National Co. Method of thermally processing foodstuffs (Convention date 27-7-87) Canada.

The 20th November 1987

- 909/Cal/87 Onto Patent-Forchungs-und-Fabrikations-Ag. A method and device for manufacturing a slide fastener tape half comprising a stringer tape and a woven-on helical row of slide-fastener links.
- 910/Cal/87 The Babcock & Wilcox Company. Steam temperature control using a modified smith
- 911/Cal/87 Linearai Patnaik. Alternating control busses for sequential starting of electric motors.

The 23rd November 1987

- 912/Cal/87 Klein Schanzlin & Becker Aktiengesellschaft A housing Carrier for turbomachines.
- 913/Cal/87 L. & C. Steimuller GmbH. A method of burning carbonaceous materials in a fluidized bed reactor and a device for working the method.
- 914/Cal/87 Eaton corporation. Fluid actuated shift bar housing assembly.
- 915/Cal/87 R W N Vertel Richte Co. Pty Ltd. Cyclone separator (21-11-86 & 21-04-87) U.K.
- 916/Cal/87 R. I. Reynolds Tobacco Company. Smoking article with improved fuel element
- 917/Cal/87 Comalco aluminium Limited. Recovery of fluoride values from waste materials (Conventional date 22-12-1986) Australia.

The 24th November 1987

- 918/Cal/87 Dr. Allan Shaw. Air conditioner and method of dehumidifier control (Conventional date 24-11-1986) Australia
- 919/Cal/87 Agracetus. Genetic engineering of cotton plants and lines
- 920/Cal/87 Agracetus. Pollen-mediated plant transformation.

- 921/Cal/87. Pennwalt Corporation. Preparation of anhydrous alkanesulfonic acid.

The 25th November 1987

- 922/Cal/87. Krupp Koppers GmbH. Process for the production of P-Xylene of a purity of at least 99.5%.
- 923/Cal/87. Krone Aktiengesellschaft. Connector bank for telecommunication device.
- 924/Cal/87. Krone Aktiengesellschaft. Device for connecting cable wires to cutting/clamping contacts of drop-wire connector banks of telecommunication systems.
- 925/Cal/87. Dinesh Chandra Singhal and The Tata Iron and Steel Company Limited. Fuel and reducing gas generator.

APPLICATION FOR THE PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI-110 005

The 26th October 1987

- 933/Del/87. Imperial Chemical Industries Plc., "Electrolytic cell". (Convention date 7th November, 1986) (U.K.).
- 934/Del/87. Bergwerksverband GmbH., "Process for allothermal coal gasification and fluidized bed gas generator for the execution of the process".
- 935/Del/87. Santa Barbara Research Center, "Powder discharge apparatus".

The 27th October 1987

- 936/Del/87 Blagoveschensky Goudarstvenny Meditsinsky Institut, "Surgical suturing instrument".
- 937/Del/87. Sverker Melander, "A driving means for a belt conveyor".
- 938/Del/87. Blaise Francois Figueroa. "Machine for the extrusion of several materials at the same time". (Convention date 15th May, 1987) (Australia).
- 939/Del/87. Pfizer Inc., "A process for preparation of 2-[N-substitutedguanidino]-4-[1, 2, 4-triazol-5-yl] thiazole compounds". [Divisional date 22nd March, 1985].

The 28th October 1987

- 940/Del/87 UOP Inc., "Method for eliminating re-entry disulfides in a mercaptan extraction process".
- 941/Del/87 Societe Chimique Des Charbonnages S.A., "Catalyst system and catalytic alkane carbonylation process".
- 942/Del/87 Societe Chimique Des Charbonnages S.A., "Catalytic process for the manufacture of acid fluoride".
- 943/Del/87 Vivek Mull & Shree Krishnakshav Laboratories Ltd., "A sealing closure or cap for a bottle".
- 944/Del/87 Vivek Mull & Shree Krishnakshav Laboratories Ltd., "Surgical Knife".
- 945/Del/87 The Cambrian Engineering Group Limited, "Process for degumming triglyceride oils".

The 29th October 1987

946/Del/87. Zabrzanskie Gwarectwo Weglowe Kopalnia Wegla Kamiennego Zabrazze-Biciszowice, "A one- and two-compartment separator for a heavy suspension liquid, also a set of separators, especially one- as well as two- and one-compartment separator for a heavy suspension liquid, particularly a three product one."

947/Del/87. Jacques Lacroix, "Connection Device".

The 30th October 1987

948/Del/87. B. W. N. Voroil Pty. Limited, "Classifier".

949/Del/87. Bharat Heavy Electricals Limited, "Method of producing insulation bricks for lining furnaces".

950/Del/87. The B. F. Goodrich Company, "Calcium phosphonate scale inhibition".

951/Del/87. Dorr-Oliver Incorporated, "A process for producing starch from cereals".

The 2nd November 1987

952/Del/87. National Institute of Immunology, "A method for sterilizing male animals by single injection procedure without loss of libido".

953/Del/87. National Institute of Immunology, "An injectable method for castration of scrub animals and for making an aggressive animal docile".

954/Del/87. Fred James, "Method and apparatus for substituting a higher quality audio soundtrack for a lesser quality audio soundtrack during reproduction of the lesser quality audio soundtrack and a corresponding visual picture".

The 3rd November 1987

955/Del/87. N. V. Bekaert S.A., "Winding apparatus for elongate elements".

(Convention date 24th December, 1986) (U.K.).

956/Del/87. Morgan Construction Company, "Decelerator apparatus for hot rolled product".

(Convention date 14th November, 1986) (U.K.).

957/Del/87. Paul Wurth S.A., "Mechanism for operating a metering valve".

958/Del/87. Paul Wurth S.A., "Mechanism for operating a metering valve".

959/Del/87. Rhone-Poulenc Industries, "Herbicide compositions based on a glyphosate type herbicide".

960/Del/87. Vallourec Industries, "Joints for pipes with conical threads for use in the oil industry and allowing easy fitting".

The 4th November 1987

961/Del/87. Morgan Construction Company, "Carrier module".

962/Del/87. Powercraft As., "Display panel for image presentation and/or recording".

(convention date 24th March, 1987) (Ireland).

The 6th November 1987

963/Del/87. Ebrehim M. Patel & Yunus Patel, "Automatic pneumatic valve-leakage testing device".

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 2nd November, 1987

788/Mas/87. N. Ambika Devi. Everlight.

789/Mas/87. Indian Space Research Organisation, Improvements in or relating to antireflection coatings on Ge/Si/GaAs opus.

790/Mas/87. Annunzia Casale E.A. System for reducing energy consumption in multi-unit reactors for heterogeneous synthesis and related reactors.

791/Mas/87. Cobarr S.p.A. A method for producing high molecular weight polyester resin.

792/Mas/87. Air Products and Chemicals, Inc. Process for separating components of a gas stream.

The 3rd November, 1987

793/Mas/87. Jose Raju. An automatic distributed freezing system.

794/Mas/87. Nippon Steel Corporation. Production of steel containing low melting point metals.

795/Mas/87. Union Carbide Corporation. Improved aldehyde hydrogenation catalyst and process.

796/Mas/87. Ametex AG. A plastic tube, a method of and an apparatus for the production thereof.

797/Mas/87. Philip Blake Provost. David John Van Dal, Konrad Courtes Abbott and Konrad Mischen. Curing apparatus.

The 4th November, 1987

798/Mas/87. A. Andersson Corporation. Method and apparatus for combustion of soda black liquor.

799/Mas/87. Beiot Kemi AB. A process for the manufacture of monoamines and polyamines having high content of primary amino groups. (Divisional to Application No. 677/Mas/84).

The 6th November, 1987

800/Mas/87. Taikoku Hormone Mfg. Co. Ltd. Process for the preparation of 4-OAA- or 4-azabicyclic compounds. (Divisional to Application No. 156/Mas/86).

801/Mas/87. Florida Institute of Phosphate Research. Desulfurization gypsum.

802/Mas/87. Cl Harwood Limited. Liquid separators. (November 5, 1986; Great Britain).

The 9th November, 1987

803/Mas/87. K.A. Rangachary. Battery Bicycle.

804/Mas/87. Ramabadian Thiruvankatachari and Ramabadr Venkatagopalan. Improved spacer damper.

805/Mas/87. Henkel Kommanditgesellschaft auf Aktien. Dispersants and their use in aqueous coal suspensions.

806/Mas/87. Bellway (Services) Limited. Vehicle winch. (November 19, 1986; United Kingdom).

The 10th November, 1987

807/Mas/87. Indian Institute of Science. A process for the preparation of polyvinyl chloride cloth.

808/Mas/87. Indian Institute of Science. A process for the preparation of polyvinyl chloride cloth.

809/Mas/87. Edeco Holdings Limited. Activation of phase change medium.

810/Mas/87. Maschinentabrik Rieter Ag. Method of production of a fibre feed duct for an open end spinning device and a fibre feed duct for such a device.

811/Mas/87. BBC Brown Boveri AG. Amplitude modulated broadcast transmitter.

812/Mas/87. Technip Geoproduction of Tour Technip and Enginages Et Reducteurs Citeon-Messian-Durand. Suspension device for the support legs of a jackup oil platform.

913/Mas/87. SMS Schloemann-Siemag Aktiengesellschaft. Mold for the continuous casting of steel strip.

814/Mas/87. FL Smidth & Co. A method and apparatus for detecting back corona in an electrostatic filter with ordinary or intermittent DC-voltage supply.

The 11th November, 1987

815/Mas/87. Owens-Illinois Television Products Inc. Method and apparatus for non-contact spatial measurement.

816/Mas/87. Silkbell Limited. Flow regulating device.

817/Mas/87. Plessey Overseas Limited. Data switching arrangement. (November 13, 1986; United Kingdom).

The 12th November, 1987

818/Mas/87. Venkataramana Viswanathan. Quantum pedal which is an improved pedalling arrangement for propelling bicycles, tricycles and other road-vehicles.

819/Mas/87. Bath Institute of Medical Engineering Limited. A vibration isolation arrangement. (November 15, 1986; United Kingdom).

820/Mas/87. Expert Explosives (Proprietary) Limited. Detonator firing element.

The 13th November, 1987

821/Mas/87. Wicanders Closures AC. Tear-off container closure.

822/Mas/87. Institute Po Tchernia Metalurgia. Vibrating screen.

COMPLETE SPECIFICATION ACCEPTED

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CLASS : 63-I.

161551

Int. Cl. H 02 p 5/00.

A VARIABLE SPEED DRIVE MOTOR SYSTEM WITH INVERTER CONTROL.

Applicant : CARRIER CORPORATION, AT 6304 CARRIER PARKWAY, P.O. BOX 4800, SYRACUSE, NEW YORK 13221, UNITED STATES OF AMERICA.

Inventor : 1. THOMAS MICHAEL ZINSMEYER.

Application No 708/Cal/84 filed October 8, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 claims

Variable speed drive motor system comprising :
power supply means;

a main motor means (10) for rotating a main motor drive shaft (40) about its longitudinal axis at a fixed speed;

an AC auxiliary motor/generator means (11) for rotating an auxiliary motor/generator drive shaft (41) about its longitudinal axis at a variable speed, the AC auxiliary motor/generator means (11) rotating in a first direction during an upper speed range and in a lower speed range the motor/generator means (11) rotating in the opposite direction;

control means for said AC auxiliary motor/generator means (11);

an output drive shaft (42); and

a transmission means (48) for interconnecting the main motor drive shaft (40) and the auxiliary motor/generator drive shaft (41) to the output drive shaft (42) to rotate the output drive shaft (42) about its longitudinal axis at a speed which depends on the speed and direction of rotation of the auxiliary motor/generator drive shaft (41) relative to the speed and direction of rotation of the main motor drive shaft (40);

characterized by :

the output drive shaft (42) being connected to an impeller (39) or a centrifugal compressor (42) in a vapor compression refrigeration system for rotating said impeller (39) when said output drive shaft (42) is rotated about its longitudinal axis;

an inverter means (9) for receiving electrical power signals and electrical control signals, for processing said received electrical power signals and electrical control signals to form electrical excitation signals each having a selected frequency and magnitude which is determined by the received electrical control signals, and for supplying said electrical excitation signals to the AC auxiliary motor/generator means (11) in a selected sequence which also is determined by the received electrical control signals;

said power supply means supplying the electrical power signals to the inverter means (9); and

said control means monitoring selected operating conditions of the refrigeration system, and for generating electrical control signals in response to the monitored operating conditions, and for supplying these generated electrical control signals to the inverter means (9) to vary the speed of rotation of the output drive shaft (42) in a desired manner.

Compl. Specn. 21 pages.

Org. 1 sheet.

CLASS : 39-K.

161552

Int. Cl. : C 01 b 15/02.

A CONTINUOUS CO-CURRENT PROCESS FOR CARRYING OUT CATALYTIC HYDROGENATION WITH HYDROGEN OR A HYDROGEN CONTAINING GAS FOR THE PRODUCTION OF HYDROGEN PEROXIDE BY THE SO-CALLED ANTHRAQUINONE PROCESS.

Applicant : DEGUSSA AKTIENGESSELLSCHAFT, 6000 FRANKFURT 1, WEISSFRAUENSTRASSE 9, FEDERAL REPUBLIC OF GERMANY.

Inventors 1. DR. WOLFGANG KUNKEL, 2. DR. JORG KFMNADE, 3. DR. DIETRICH SCHNEIDER.

Application No. 1317/Cal/83 filed October 26, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 claims

A continuous co-current process for carrying out catalytic hydrogenation with hydrogen or a hydrogen containing gas for the production of hydrogen peroxide by the so-called ammonia-quinone process using palladium black suspended in the working solution at temperatures below 100°C and pressures below 15 bar absolute in a reaction chamber designed as a meandering pipe system, characterised in that hydrogenation is carried out in a loop reaction composed of tubes having an identical nominal width which are arranged vertically or horizontally and are connected by pipe bends at flow rates in the pipes higher than 3 m/sec.

Compl. Specn. 13 pages. Drg. 1 sheet.

CLASS : 40-D.

161553

Int. Cl. : B 03 c 9/00.

AN ELECTROSTATIC PRECIPITATOR.

Applicant : F.L. SMIDT & CO. A/S., OF 77, VIGER-SLEV ALIE, DK-2500 VALBY, COPENHAGEN, DENMARK.

Inventors : 1. VICTOR REYES; 2. EIGIL KRISTENSEN.

Application No. 990/Cal/83 filed August 9, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 claims

An electrostatic precipitator comprising at least one precipitator section charged from an independent power supply for supplying a pulse-superimposed direct voltage to the section; a dust measuring unit for measuring the dust content of the exit air of said precipitator; a control unit for determining a plurality of predenned stored regulation strategies; a strategy selection unit for selecting one or said plurality of predenned stored strategies; and regulation level unit for regulating parameters of said at least one power supply in accordance with said selected strategy dependent upon whether said measured dust content is a preset value.

Compl. Specn. 11 pages. Drg. 1 sheet.

CLASS : 94-A.

161554

Int. Cl. : B 02 c 9/00.

AN APPARATUS FOR PULVERISING OR GRINDING MATERIAL.

Applicant : COMBUSTION ENGINEERING INC., OF 1000 PROSPECT HILL ROAD, WINDWOK, CONNECTICUT-06096, UNITED STATES OF AMERICA.

Inventors : 1. THEODORE VINCENT MALISZEWSKI, JR. 2. DAVID ELLIOTT KOHLER.

Application No. 999/Cal/83 filed August 12, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 claims

An apparatus for pulverizing or grinding materials including a bowl mill having a rotatable grinding surface upon which the pulverisation or grinding of material is effected and a primary classifier assembly secured above the bowl mill, the said assembly comprising :

- (a) vane means mounted on the periphery of the rotatable grindings surface for rotation therewith, said vane means when in the mounted condition being operative to cause air flowing in surrounding relation to the rotatable grinding surface to change direction and flow counterclockwise to the direction of rotation of the rotatable grinding surface thereby causing the

larger particles of pulverized material entrained in the air to lose their momentum and separate from the air for return to the rotatable grinding surface for additional pulverization; and

- (b) converging/diverging orifice means mounted within the bowl mill above and in spaced relation to the rotatable grinding surface, said converging/diverging orifice means when in the mounted condition being operative to cause the air flowing through the interior of the bowl mill to be directed toward the center of the bowl mill thereby causing through this change of direction of the air the larger particles of pulverized material entrained in the air to lose their momentum and separate from the air for return to the rotatable grinding surface for further pulverization.

Compl. Specn. 27 pages. Drgs. 4 sheets.

CLASS : 107-G.

161555

Int. Cl. : F 02 b 11/00.

APPARATUS FOR THE USE OF GAS AS SECONDARY FUEL DIESEL ENGINES.

Applicant : NEDERLANDSE CENTRALE ORGANISATIE VOOR TOEGEPASTNATUURWETENSCHAPPELIJK ONDERZOEK, OF JULIANA VAN STOLBERGLAAN 148, 2595 CL THE HAGUE, THE NETHERLANDS.

Inventor : 1. LEENDERT WOLTERS.

Application No. 1003/Cal/83 filed August 12, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 claims

Apparatus for the use of gas as secondary fuel in a diesel engine, more specially of the high speed automotive type, provided with an injection pump for the diesel fuel fitted with a governor of the end speed type with control lever for the adjustment of the engine torque,

a mixing device for the gaseous secondary fuel with the aspirated combustion air,

a pressure regulator for the gas pressure of the gas supplied to the mixing device,

and with control means for the metering of the gas quantity supplied,

characterized in that the gas pressure regulator (20) is controlled by a control signal (24, 42) which is substantially proportional to the actually momentary consumed quantity of diesel fuel by the engine, and a remote adjustable additional upper stop for the control level (16) of the governor (12) is fitted, which limits its maximum stroke to less than the full load-diesel position whenever the engine operates in the diesel gas mode, and which gives the control level free up to the full load position in pure diesel operation.

Compl. Specn. 18 pages. Drgs. 3 sheets.

CLASS : 40-H.

161556

Int. Cl. : B 01 d 53/00.

PROCESS FOR REDUCING OXIDES OR NITROGEN.

Applicant : ENGELHARD CORPORATION, 70 WOOD AVENUE SOUTH, ISELIN, NEW JERSEY 08830, UNITED STATES OF AMERICA.

Inventors : 1. JOSEPH CHARLES DETTLING, 2. FRANK WILLIAM F. CARR, 3. MARSHALL RONALD M. HECK, 4. MON-HER JANES M. CHEN.

Application No. 1184/Cal/83 filed September 27, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 claims

A process for reducing oxides of nitrogen maintaining an effluent free of ammonia in a gas stream containing at least about 0.8 moles of ammonia, at least 2 mole % of oxygen for each mole of NO_x present, comprising the step of passing the gas stream over a catalyst containing a noble metal which is effective to catalyse the reduction of nitrogen oxides to nitrogen, wherein the noble metal consists essentially of from about .001 to about 5.0 percent platinum and from about .0005 to about 2.5 percent gold by weight of support as herein described and noble metal, the temperature of the gas stream is maintained within a range of 250°C to 500°C in which the noble metal catalyst is effective to decompose ammonia and wherein prior to passing the gas stream over the platinum-gold catalyst, the stream is passed over vanadium oxide containing catalyst.

Compl. Specn. 34 pages. Drg. nil.

CLASS : 39-1.

161557

Int. Cl. : C 01 & 7/02,

A PROCESS FOR THE PRODUCTION OF ALUMINIUM TRIHYDROXIDE HAVING A MEDIAN DIAMETER OF LESS THAN 4 MICRONS, WHICH CAN BE VARIED AS REQUIRED.

Applicant : ALUMINIUM PÉCHINEY, 23, RUE BALZAC 75008 PARIS FRANCE.

Inventors : 1. BENOIT CRISTOL, 2. JACQUES MORDINI.

Application No. 65/Cal/83 filed October 12, 1983.

Appropriate office for opposition proceedings Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 claims

A process for the production of aluminium trihydroxide having a median diameter which can be varied as required and is less than 4 microns, having a unimodal distribution and a minimum deviation, involving carrying out the decomposition under heat of a supersaturated solution of sodium aluminate in the presence of a primer consisting of aluminium trihydroxide, then carrying out the separation of the resulting solid and liquid phases, and the recovery of the solid phase formed by the precipitated aluminium trihydroxide, characterized in that, in a first stage, aluminium trihydroxide is subjected to grinding until a ground aluminium trihydroxide is produced which has a specific B.E.T. surface area formed by grinding operation as heretofore defined which is at least equal to 8 square metres per gram then, in a second stage, the ground aluminium trihydroxide is brought into contact with all of a hot solution of sodium aluminate to be decomposed in a quantity such that the complete surface area of said aluminium trihydroxide which is introduced in ground form is at least 100 square metres per litre of the supersaturated solution of sodium aluminate, and the said solution is decomposed by subjecting the suspension which is formed to agitation until a weight ratio of dissolved Al₂O₃ : caustic Na₂O is attained which is at most equal to 0.7.

Compl. Specn. 21 pages. Drg. nil.

CLASS : 50-E & F.

161558

Int. Cl. : F 25 d 11/00:

AN ECONOMISER DEVICE FOR A REFRIGERATING MACHINE, A HEAT-PUMP OR THE LIKE.

Applicant & Inventor : BERNARD ZIMMERN, OF VANTAGE POINT CONDOMINIUM, 6 NEW STREET, EAST NORWALK, CT 06855, UNITED STATES OF AMERICA.

Application No. 1270/Cal/83 filed October 13, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 claims

An economiser device for a refrigerating or heat-pump or the like system comprising a compressor and a circuit connected to the exhaust of the compressor said circuit comprising at least a condenser, an expansion device, an evaporator connected to the intake of the compressor, and an economiser device mounted between the expansion device and the evaporator and comprising means for separating liquid and gas generated through the expansion device, a gas conduit connecting the separator means to at least one port provided through the casing of the compressor at a point where the pressure is intermediate between intake pressure and discharge pressure, and at least a liquid conduit connecting the separating means to the evaporator, wherein the separator means comprise a rotor provided with blades and rotatably mounted within a housing the gas conduit opens in a central region of the housing, the liquid conduit opens in a peripheral annular region of the housing, and the economiser device moreover comprises a valve mounted on the liquid conduit to maintain the radial dimension of the liquid annulus which in operation builds up in the peripheral annular region of the separating means.

Compl. Specn. 18 pages. Drgs. 3 sheets.

CLASS : 84-B.

161559

Int. Cl. : C 10 J 1/00

A PHASE-STABLE AQUEOUS GASOLINE-ETHANOL FUEL COMPOSITION AND A METHOD FOR PREPARING THE SAME.

Applicant : UNION CARBIDE CORPORATION, AT OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT, 06817, UNITED STATES OF AMERICA.

Inventor : 1. EDMOND JOSEPH DERDERIAN.

Application No. 1505/Cal/83 filed December 8, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 claims

A phase stable aqueous gasoline-ethanol fuel composition for use in internal combustion engines consisting essentially of gasoline, water, ethanol and iso-butanol, wherein the amount of water and ethanol present in said composition is equivalent to said composition containing a hydrous ethanol having a proof of from about 188 to about 199 in an amount of iso-butanol present in said composition ranges from about 2 to about 4 weight percent, the remainder of said composition consisting essentially of said gasoline said composition further having a cloud point of about -8°C. or below and a (R+M)/2 octane rating above both that of the gasoline employed as well as above that of a non-aqueous mixture of said gasoline and an amount of ethanol equal to the amount of ethanol present in said composition.

Compl. Specn. 22 pages. Drg. nil

CLASS : 167-C & D

161560

Int. Cl. : B 07 b 4/00, 7/08, 9/00.

FLUIDIZED-BED APPARATUS FOR SEPARATING FRAGMENTS OF REFRACTORY LINING FROM FIRED ALUMINA.

Applicant : VSESOJUZNY NAUCHNO-ISSLEDOVATELSKY I PROEKTNY INSTITUT ALUMINIEVOI, MAGNIEVOI I ELEKTRODNOI PROMYSHLENNOSTI, OF LENINGRAD, SREDNY PROSPEKT, 86, USSR.

Inventors :

1. EDUARD LVOVICH YAGUD,
2. GERMAN ABRAMOVICH KAIM,
4. NIKOLAI IVANOVICH PETRAKOV,
5. JURY ALEXEEVICH LAKISOV,
6. PAVEL-IVANOVICH SOKOLOV,

7. NIKOLAI IVANOVICH GORSHKOV,
8. NIKILAI PAVLOVICH PANIN,
9. ANDREI-PETROVICH SOKOL,
10. ANATOLY BORISOVICH KARPOV,
11. GARRY VLADIMIROVICH TELYATNIKOV,
12. VIKTOR PROKHOROVICH LYAKHOV,
13. VLADIMIR VLADIMIROVICH GOLIKOV.

Application No. 279/Cal/84 filed April 27, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A fluidized-bed apparatus for separation of refractory lining fragments from fired alumina, comprising a shell divided in the direction of the operating cycle into sizing compartment of which one has an inlet pipe for admitting a feed and the other one an outlet pipe for discharging the material classified-alumina, all the sizing compartments having air inlet means, and a receiving bin connected with a transportation device for the removal of the material classified, a vibratory discharger in which, arranged in series along the operating cycle, are a conveyor box hermetically connected in direct proximity to one of the end walls of its housing with the receiving bin (4) by means of elastic members, and a secondary sizing compartment having a screen associated with the transportation means adapted to receive the screened material—a mixture of alumina and fine fragments of refractory lining the vibratory discharger having an opening for discharging the material separated-course fragments of refractory lining, said opening being disposed above the screen.

Compl specn 19 pages

Drg 3 sheets

CLASS : 146 A&C

161561

Int. Cl. : G01c 9/00.

AN INCLINOMETER CAPABLE OF MEASURING THE INCLINATION AND AZIMUTH OF A BORE.

Applicant : OIL & NATURAL GAS COMMISSION, OF TEL BHAWAN, DEHRA DUN INDIA, A COMMISSION ESTABLISHED BY GOVERNMENT OF INDIA.

Inventor : BADRI PRASAD KATHEL.

Application for Patent No. 764/Del/84 filed on 29th September, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

10 Claims

An inclinometer for measuring the inclination and azimuth of a bore comprising :

- a first and second module, said second module having a disposed therein a power source for supplying power to said first module;
- said first module comprising an inner and outer elongate housing;
- a motor mounted an inner and outer elongate housing;
- a motor mounted within said outer housing and coupled to one end of said inner housing for imparting a rotational movement thereto;
- a cassette with a recording substrate removably said within said inner housing;
- an inclination measuring means within said inner housing disposed on one side of said cassette;
- said inclination measuring means including a sensor for providing a signal to said motor;
- an azimuth measuring means within said inner housing and disposed on the opposite side of said cassette; and

an optical system for each of said inclination and azimuth measuring means, on a window on said cassette to enable inclination and azimuth measurements to be recorded on the recording substrate of said cassette

Compl. specn. 18 pages

Drg. 2 sheets

CLASS : 146 A & C

161562

Int. Cl. : G01c 9/00.

AN INCLINOMETER CAPABLE OF MEASURING THE INCLINATION AND AZIMUTH OF A BORE.

Applicant : OIL & NATURAL GAS COMMISSION, OF TEL BHAWAN, DEHRA DUN, INDIA, A COMMISSION ESTABLISHED BY GOVERNMENT OF INDIA.

Inventor : BADRI PRASAD KATHEL.

Application for Patent No. 765/Del/84 filed on 29th September, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

An inclinometer for measuring the inclination and azimuth of a bore comprising :

- a first and second module, said second module having a power source disposed therein for supplying power to said first module;
- said first module comprising an outer stationary housing with an inner rotatable housing;
- a motor mounted on the base of said outer housing and coupled to the inner housing for providing a rotation thereto;
- an inclination measuring means provided within said inner rotatable housing and having a first within said rotatable housing sensor for controlling the rotation of said rotatable inner housing and providing a measurement of the inclination;
- an azimuth measuring means provided within inner rotatable housing and having a second sensor and an electronic circuit being a storage and memory circuit for storing the signals received from said first and second sensors;
- said storage and memory circuit having an output terminal circuit therefor.

Compl. specn. 17 pages.

Drg. 2 sheets

CLASS : 146 A&C

161563

Int. Cl. : G01c 9/00.

AN INCLINOMETER CAPABLE OF MEASURING THE INCLINATION AND AZIMUTH OF A BORE.

Applicant : OIL & NATURAL GAS COMMISSION, OF TEL BHAWAN, DEHRA DUN, INDIA, A COMMISSION ESTABLISHED BY GOVERNMENT OF INDIA.

Inventor : BADRI PRASAD KATHEL.

Application for Patent No. 766/Del/84 filed on 29th September, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A inclinometer for measuring the inclination and azimuth of a bore comprising :

- a module having an inner and outer elongate housing;
- said inner housing having a shaft with an eccentric weight removably secured thereto for providing a rotational movement to the inner housing in relation to the stationary outer housing;

a cassette with a recording substrate amovably disposed within said inner housing;

an inclination measuring means disposed within said inner housing on one side of said cassette;

an azimuth measuring means also disposed within said inner housing on the opposite side of said cassette; and

a separate optical system for each of said inclination measuring means and said azimuth measuring means,

said cassette having a window to allow inclination and azimuth measurements to pass therethrough from the optical systems to be recorded on said recording substrate of said cassette.

Compl. specn. 19 pages.

Drg. 2 sheets

CLASS : 39E [III]

161564

Int. Cl. : C01 b-33/08.

A PROCESS FOR THE PREPARATION OF SILICON TETRACHLORIDE FROM COMMERCIAL GRADE SILICON.

Applicant : DCM LIMITED FORMERLY KNOWN AS DELHI CLOTH & GENERAL MILLS CO. LTD., AN INDIAN COMPANY OF KANCHANJUNGA BUILDING, BARAKHAMBA ROAD, NEW DELHI, INDIA.

Inventors : SHASHANK GUPTA, RAKESH BAKSHI, ASHWINI KUMAR MEHRA, ARAGULA KRISHNA RAO, AND JITENDRA PRAKASH KAPUR.

Application for Patent No. 803/Del/84 filed on 16th October, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for the manufacture of silicon tetrachloride from commercial grade silicon which comprises in introducing said silicon into a jacketed reactor to form a bed, introducing chlorine gas from below of said bed to cause a reaction with said silicon to obtain reaction gases containing silicon tetrachloride and other metallic ferric chloride characterized in that metallic ferric chloride is removed from said reaction gases and a part of silicon tetrachloride thus obtained is recycled into the reactor in conjunction with the chlorine gas.

Compl. specn. 13 pages.

Drg. one sheet

CLASS : 39 K

161565

Int. Cl. : C01b 33/12.

AN IMPROVED PROCESS FOR PREPARATION OF FUMED SILICA.

Applicant : DCM LIMITED, FORMERLY KNOWN AS DELHI CLOTH & GENERAL MILLS CO LTD., AN INDIAN COMPANY REGISTERED UNDER THE INDIAN COMPANIES ACT 1881, BARA HINDU RAO, DELHI, DELHI STATE, INDIA.

Inventors : SHASHANK GUPTA, RAKESH BAKSHI, ASHWANI KUMAR MEHRA, ARGULA KRISHNA RAO & JITENDRA PRAKASH KAPUR.

Application for Patent No 804/Del/84 filed on 16th October, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

An improved process for the preparation of fumed silica by hydrolysis of silicon tetrachloride with water formed in

situ characterised by separately introducing a hydrogen stream and a stream of a mixture of air and silicon tetrachloride into flame zone of a burner.

Complete specification 10 pages

CLASS : 206E & 194C

161566

Int. Cl. : H03f 3/00.

"AMPLIFYING GATE THYRISTOR".

Applicant : WESTINGHOUSE BRAKE AND SIGNAL COMPANY LIMITED, a British Company, of Pew Hill, Chippenham, Wiltshire, Great Britain.

Inventor : JOHN MANSFELL GARRETT.

Application for Patent No. 818/Del/84 filed on 22nd October, 1984.

Convention date 21st November, 1983/8331028 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

An amplifying gate thyristor comprising a semiconductor body having four layers of semiconductor material of alternate conductivity type superimposed one on another, a first of said semiconductor layers being of a first conductivity type and constituting an anode emitter (1) layer, a second of the semiconductor layers being of a second conductivity type forming a pn junction with the first semiconductor layer and constituting a first base region, a third of the semiconductor layers being of the first conductivity type forming a pn junction with the second semiconductor layer and constituting a second base region, a fourth of the semiconductor layers of the second conductivity type consisting of a main cathode region and a gate region spaced apart from each other on the third semiconductor layer and forming separate pn junctions therewith characterised in that in the intermediate region of the third layer lying between opposing edges of the main cathode and gate regions there are a plurality of zones spaced apart from one another along the lengths of said edges having resistance values relatively lower than the portions of said intermediate region lying between the said zones.

Compl. Specn. 10 pages.

Drgs. 3 sheets.

CLASS : 150 G & 107 D&G.

161567

Int. Cl. : F02m 19/00 & F02b 77/04.

"AN AIR AND FUEL VAPOUR MIXTURE FORMATION PROMOTING DEVICE FOR PETROL ENGINES".

Applicant : DRAKSHRAPU NAGABHUSHANA RAO of D-11/B-7, Moti Bagh-1, New Delhi-110 021, India, an Indian National.

Inventor : DRAKSHRAPU NAGABHUSHANA RAO.

Application for Patent No. 870/Del/84 filed on 16th November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

Claims

An air and fuel vapour mixture formation promoting device for a petrol engine, comprising a flange which can be secured between the flanges on the ends of the outlet pipe of the carburetor of the petrol engine and the inlet manifold of the engine, central circular portion in the flange member having a plurality of spaced alternating radial projections or ribs and slots, the projections or ribs and the slots being inclined from one face of the flange member to the other face of the flange member.

Compl. Specn. 9 pages.

Drg. 1 sheet.

CLASS : 83A₁ & 3₁ 161568

Int. Cl. : A231 1/00.

"PROCFSS FOR PRODUCTION OF PROTEIN FOOD MATERIAL".

Applicant : GENERAL FOODS CORPORATION, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELWARE, LOCATED AT 250 NORTH STREET, WHITE PLAINS, NEW YORK, UNITED STATES OF AMERICA.

Inventors : KATSUTOSHI OKAMURA, SHUNDO HARADA, SETSU KANOHI & TERUO GOMI.

Application for Patent No. 895/Del/84 filed on 26th November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A process for the production of protein food material, characterized by the steps of kneading a protein containing substance of the kind such as herein described with water, orienting the resultant blend in a thermally plasticized state, and then exerting displacement stress upon the oriented blend thereby imparting displacement between the surfaces of orientation of said oriented blend to an extent of preventing said oriented blend from separation.

Compl. Specn. 17 pages.

CLASS : 146D₃. 161569

Int. Cl. : G02b 3/04, 3/10 & G02c 7/06.

"ASPHERIC SPECTACLE LENS BLANK".

Applicant : ALEXANDER CHRISTIAN BRISTOL, A U.S. CITIZEN OF 5480 S.W. 85TH STREET, MIAMI, FLORIDA 33143, U.S.A.

Inventor : ALEXANDER CHRISTIAN BRISTOL.

Application for Patent No. 948/Del/84 filed on 19th December, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

An aspheric spectacle lens blank for an aphakic eye comprising :

a bifocal segment having a flat top and an optical anterior surface, said lens body having a vertical centerline and a horizontal centerline which intersect at an optical center of the lens body,

a bifocal segment having a flat top and an optical center, said bifocal segment optical center being substantially aligned with said vertical centerline but spaced downwardly from said horizontal centerline so that said flat top is substantially parallel to but spaced downwardly from said horizontal centerline by a predetermined distance.

Compl. Specn. 8 pages.

Drg. 1 sheet.

CLASS : 141B & 130F. 161570

Int. Cl. : C22b 15/06.

"AN IMPROVED PROCESS FOR THE RECOVERY OF METALLIC COPPER FROM COPPER CONVERTER SLAG OR ANY OTHER OXIDISED COPPER BEARING MATERIAL".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

2—387 GI/87

Inventors : PARTHA SARATHI DUTTA, BIJOY KUMAR SATAPATHY, SAROJ KUMAR PATANAIK, DIPENDRA NARAYAN DUTY & PRAFULLA KUMAR JENA.

Application for Patent No. 959/Del/84 filed on 26th December, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

An improved process for the recovery of metallic copper from oxidised copper converter slag or any other oxidised copper bearing material which comprises mixing the said copper converter slag or the said oxidised copper bearing material with a halide reagent and a solid reductant such as herein described, subjecting the mixture to segregation roasting by heating in an inert atmosphere at a temperature in the range of 550—850°C for a period of 15—90 minutes so as to generate hydrogen chloride gas in situ which reacts with said slag or copper bearing material forming the metal chloride which immediately gets reduced into metal in situ by the action of hydrogen produced on the surface of the said reductant and the metal so produced gets deposited on the surface of the said solid reductant, cooling the resultant mass under the same inert atmosphere and separating the metallic copper from the mass by conventional methods.

Compl. Specn. 9 pages.

CLASS : 5-A; 103; 188.

161571

Int. Cl. : B 23 b 27/00.

TOOL FOR WORKING THE GROUND CONSISTING ESSENTIALLY OF STEEL.

Applicant : FRID. KRUPP GESellschaft MIT BESCHRANKTER HAFTUNG, ALTENDORFER STRASSE 103, D-4300 ESSEN 1, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1 WERNER WEITH, 2 ROLF ROCHOL, 3. DIETER ZUSOWSKY.

Application No. 487/Cal/83 filed April 22, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

Tool for working the ground consisting essentially of steel, characterized in that at least one protective layer of hard metal and/or hard material grains having a diameter of 0.1 to 4 mm is brazed on the tool surface.

Compl. Specn. 10 pages.

Drg. 1 sheet.

CLASS : 183.

161572

Int. Cl. : A 47 g 19.02, 19/06.

COMBINE PLATE AND GLASS HOLDER.

Applicant : HARFORD OVERSEAS LIMITED, OF 4 IRISH PLACE, GIBRALTAR, UNITED KINGDOM.

Inventor : 1. JAMES BARRIE HARPER.

Application No. 1323/Cal/83 filed October 27, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A combined plate and glass holder comprises integrally formed support means presenting a peripheral margin enclosing a first support surface for use as a plate, and a second support surface for use as a glass holder, the second

support surface having structure extending upwardly from around at least part of the periphery thereof to provide lateral support and the second support surface being located adjacent to an edge defining part of a single hole, extending through the support means inwardly of the margin, with an opposed edge of the hole being located adjacent to the margin whereby, in use, a thumb of a hand is capable of extending over said edge of the hole to press downwardly against the base of a stemmed wine glass placed on the second support surface, with the back of the thumb pressing against said opposed edge of the hole to provide stability and all the fingers of the hand pressing against the first support surface from underneath to provide further stability.

Compl. Specn. 10 pages.

Drgs. 2 sheets.

CLASS : 32-C; 39-C.

161573

Int. Cl. C 01c 1/00; C 07 c 127/02.

PROCESS FOR PURIFICATION OF AMMONIA SYNTHESIS GAS BY REMOVAL OF CARBON DIOXIDE TO BE UTILIZED IN THE SYNTHESIS OF UREA.

Applicant : LINDE AKTIENGESellschaft, ABRAHAM-LINCOLN-STRASSE 21, D-6200 WIESBADEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. WALTER SCHRAMM, 2. GERHARD RANKE.

Application No. 1386/Cal/83 filed November 14, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for purification of ammonia synthesis gas by removal of carbon dioxide to be utilized in the synthesis of urea, in which the ammonia synthesis gas, which essentially consists of hydrogen, nitrogen and carbon dioxide, is subjected to wash under pressure at temperatures of at most ambient temperature to remove acidic impurities, in particular carbon dioxide, by means of a physically acting solvent, whereupon the solvent loaded with the acidic impurities, in particular carbon dioxide is partially let down to outgas co-absorbed inert gases and is then regenerated under atmospheric pressure and is returned to the pressure wash, and the carbon dioxide released in the course of the regeneration is used to synthesize urea, characterised in that the pressure above the partially let-down, rich solvent is brought to an intermediate value between wash pressure and atmospheric pressure, the rich solvent is slightly heated to outgas some of the carbon dioxide and the solvent thus partially regenerated is subject to a second regeneration process under atmospheric pressure and the carbon dioxide outgassed during the slight heating is cooled down and is passed on under the intermediate pressure.

Compl. Specn. 11 pages.

Drgs. 2 sheets.

CLASS : 49-C.

161574

Int. Cl. : A 23 n 7/00.

A PEELER FOR VEGETABLES.

Applicant : AGROMACHINES LTD., LIBERIA INDUSTRIAL FREEZONE, P.O. MAIL BAG 9047, MONROVIA LIBERIA.

Inventor : 1. NARAYAN DAS WADHWA.

Application No. 1443/Cal/83 filed November 23, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A peeler for peeling vegetable comprising a chamber with a rotatable plate disposed therein, said plate having a plurality of serrations thereon so as to cause peeling of the vegetables fed on to the said plate upon rotation of said plate, an inlet provided in sidewall of said chamber for introducing vegetables horizontally on to the plate, and an outlet provided in another sidewall of the chamber for removal of the peel.

Compl. Specn. 6 pages.

Drg. 1 sheet.

CLASS : 49-D.

161575

Int. Cl. : B 02 c 19/20.

A GRATER FOR VEGETABLES.

Applicant : AGROMACHINES LTD., LIBERIA INDUSTRIAL FREEZONE, P.O. MAIL BAG 9047, MONROVIA, LIBERIA.

Inventor : 1. NARAYAN DAS WADHWA.

Application No. 1444/Cal/83 filed November 23, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A grater comprising a housing with a rotatable grater plate disposed therein, an inlet for introduction of the vegetable feed, an outlet for the discharge of the grated vegetable an inclined base plate disposed below of said grater plate for allowing discharge of the grated vegetable through the said outlet, said rotatable grater plate having a plurality of teeth on its surface for causing grating of the vegetable and a discharge zone for the grated vegetables formed between the edge of grater plate and the housing wall.

Compl. Specn. 7 pages.

Drg. 1 sheet.

CLASS : 32-A₁.

161576

Int. Cl. : C 09 b 29/00.

PROCESS FOR PREPARING WATER-SOLUBLE MONOAZO COMPOUNDS.

Applicant : HOECHST AKTIENGESellschaft OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

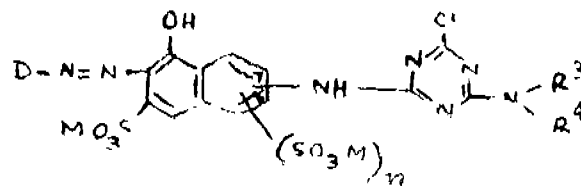
Inventors : 1. FRITZ MEININGER, 2. HANS-JOACHIM BREDERECK.

Application No. 1488/Cal/83 filed December 5, 1983.

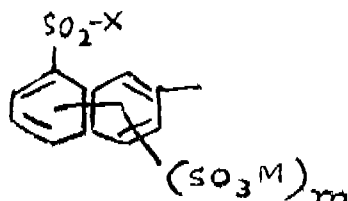
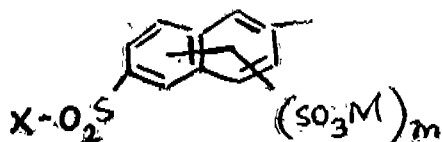
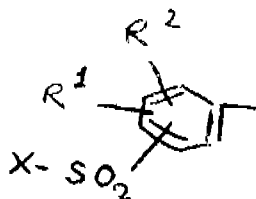
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

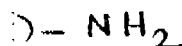
A process for preparing a water soluble monoazo compound of the general formula (I) of the accompanying drawings



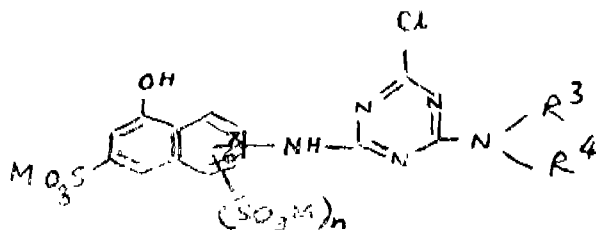
in which D is a phenyl or naphthyl radical of the formula (2a), (2b) or (2c)



in which R^1 is a hydrogen atom, an alkyl group of 1 to 4 carbon atoms, an alkoxy group of 1 to 4 carbon atoms, a carboxy group or sulfo group, and R^2 denotes a hydrogen atom, an alkyl group of 1 to 4 carbon atoms, an alkoxy group of 1 to 4 carbon atoms, a carboxy group or a sulfo group, m represents the number zero, 1 or 2, and X is the vinyl group or a β -thiosulfato ethyl-chloro ethyl or β -sulfato ethyl group, n represents the number zero or 1, the amino group via which the chlorotriazinyl radical is bonded to the sulfonaphthol radical is in the 6- or 7-position of this naphthol radical, the free sulfo group- SO_3M in the naphthol radical with M of the meaning given below is bonded to the 5-, 6- or 7-position of the naphthol radical, R^3 is a hydrogen atom or an alkyl group of 1 to 4 carbon atoms which can be substituted by a hydroxy group or by one or two water-solubilizing groups, R^4 is a hydrogen atom or an alkyl group of 1 to 6 carbon atoms which can be substituted by a hydroxy group or by one or two water-solubilizing groups, or is the phenyl or a naphthyl radical where these phenyl and naphthyl radicals can be substituted by one, two or three substituents from the group consisting of sulfo, carboxy, halogen, alkyl 1 to 4 carbon atoms, alkoxy, of 1 to 4 carbon atoms, alkoxy of 1 to 4 carbon atoms, hydroxy and carboxy of 2 to 5 carbon atoms, or is a cycloalkyl radical, and M is a hydrogen atom or an alkali metal or the equivalent of a metal of main group II or III of the Periodic Table, which comprises coupling the diazonium compound of an aniline or 2-naphthylamine of the formula (3)



in which D has the meanings mentioned above, with a coupling component of the formula (4)



in which M , n , R^3 and R^4 have the meanings mentioned above and in which the free sulfo group is bonded to the naphthalene nucleus in the 5-, 6- or 7-position and the amino group which is bonded to the chlorotriazinyl radical is bonded to the naphthalene nucleus in the 6- or 7-position.

Compl. Specn. 28 pages.

Dr. 1 sheet.

CLASS : 136-M; 205-F, G & H.

161577

Int. Cl. : H 60 c 5/00, 9/00.

METHOD AND APPARATUS FOR MANUFACTURING AN ELASTOMERIC PLY FOR PNEUMATIC TYRES.

Applicant : W & A BATES LIMITED, OF 19 NEW BRIDGE STREET, LONDON, ENGLAND.

Inventor : 1. DAVID JOHN BRIDGWOOD PARKINS.

Application No. 1489/Cal/83 filed December 5, 1983.

Convention dated 16th December 1982 (82 35778) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

In the manufacture of a pneumatic tyre; a method of manufacturing an elastomeric ply including the forming of a layer of elastomeric material suitable to be built into a pneumatic tyre carcass, said method being characterised by winding unvulcanised unreinforced elastomeric strip as a progressive helical winding along a mandrel to produce a cylindrical layer of said material thereon suitable to be built into a tyre carcass.

Compl. Specn. 12 pages.

Dr. 5 sheets.

CLASS : 128-A, G & K.

161578

Int. Cl. : A 61 b 17/00; 17/08.

A STERILE SURGICAL UNITARY FASTENER FOR JOINING ANIMAL OR HUMAN TISSUES.

Applicant : ETHICON, INC., OF ROUTE 22, SOMERVILLE, NJ 08876, UNITED STATES OF AMERICA.

Inventor : 1. ROBERT WILLIAM MERICILE.

Application No. 47/Cal/84 filed January 24, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A sterile, surgical unitary fastener for joining animal or human tissue, said fastener comprising a loop characterized by said loop having a pair of free ends with the free ends of said loop being disposed laterally with respect to one another.

Compl. Specn. 10 pages.

Dr. 2 sheets.

CLASS : 69-A & N.

161579

Int. Cl. : H 01 h 33/00.

ELECTRIC CIRCUIT BREAKERS.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : I. DAVID ANTHONY LEONE.

Application No. 647/Cal/85 filed September 13, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

An electric circuit breaker comprising an insulating housing and, disposed therein, a stationary contact structure comprising a contact-bearing member with a contact disposed thereon, a movable contact member movable into and from contact engagement with said contact, and an arc chute for extinguishing electric arcs drawn between said contact and the movable contact member upon movement of the latter from said contact engagement, said stationary contact structure being disposed at one end of the arc chute, characterised by a gas expansion chamber (408) formed at said one end of the arc chute (54) and having said stationary contact structure (424) associated therewith, said gas expansion chamber being open toward the arc chute and having a configuration enabling arc gas, upon the initiation of an arc, to expand directly into the gas expansion chamber, and causing air forced from the expansion chamber by the expanding arc gas to be directed into the arc chute (54).

Compl. Specn. 28 pages.

Drgs. 10 sheets.

CLASS : 69A & N.

161580.

Int. Cl. : H 01 h 33/00.

ELECTRIC CIRCUIT BREAKERS.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : I. DAVID ANTHONY LEONE.

Application No. 648/Cal/85 filed September 13, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

An electric circuit breaker comprising an insulating housing and, disposed therein, cooperating contacts and a mechanism for opening and closing the contacts, said insulating housing having at least one gas venting means formed in a wall portion thereof for venting arc gases generated upon initiation of electric arcs, characterized in that said gas venting means comprises a pressure-responsive one-way valve (410) positioned to pass gaseous arcing products to be vented from said housing, and to block ingress of contaminants from the ambient into the housing.

Compl. Specn. 27 pages.

Drg. 9 sheets.

IND. Cl. : 73 [XXII (2)]

161581.

Int. Cl. : DO 6C—1/06, 1/08, 3/10.

A LOCKING PIN-PLATES CARRIER FOR LOCKING THE FABRIC HELD IN PINS OF A PINBAR FIXED ON THE FREE END OF A U-SHAPED ARM/PINBAR CARRIER HELD IN THE CLIPBODY OF A STENTER.

Applicant : PRIMATEX MACHINERY PRIVATE LIMITED, IN INDIAN PRIVATE LIMITED COMPANY INCORPORATED AND EXISTING UNDER THE COMPANIES ACT (1 OF 1956) OF INDIA, AT DHANRAJ MAHAL, CHHAIRPATI SHIVAJI MAHARAJ MARG, BOMBAY-39.

Inventors : NITIN SHANTILAL MEHTA AND VASANT VYANKATESH APTE.

Application No. 17/BOM/1985. Filed on 11 Jan. 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims

1. A locking pin-plates carrier for locking the fabric held in the pins of a pinbar fixed on the free end of a U-shaped arm/pinbar carrier held in the clip body of a stenter, said locking pin-plates carrier comprising a longitudinal portion having a pair of identical perpendicular end-projections with fabrications at the free ends and provided with holes, each said projection having a platform on which is fixed one end of locking pin-plate, said locking pin-plate consisting of a plate of uniform width bent widthwise at two places with its free end having a plurality of locking pins perpendicularly mounted on its underside, said locking pin-plate carrier rotatably mounted on the pinbar carrier held in the clipbody by means of a fulcrum pin passing through the holes in said fabrications at the free ends of the perpendicular projections and a hole in said U-shaped arm/pinbar carrier, locking pins of the locking pin-plates carrier being in straight alignment and each locking pin being positioned as to go between two consecutive pins of the pinbar carrier.

Complete specification 6 pages

Drg. 1 sheet.

IND. Cl. : 89 [XLI (6)]

161582.

Int. Cl. : GO 1B—3/00.

AN IMPROVED RATCHET DEVICE ATTACHED WITH A HANDLE OF A SCREW GAUGE AND THE LIKE.

Applicant : VINAY KUMAR SHRIDHAR, OFFICE OF THE DIRECTOR OF INSPECTION, DIRECTORATE GENERAL OF SUPPLIES AND DISPOSALS, 1ST FLOOR, AAYAKAR BHAVAN ANNEXE, NEW MARINE LINES, BOMBAY-400020, INDIA.

Application No. 26/BOM/1985. Filed : Jan 30, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims.

(1) An improved ratchet device attached with a handle of a screw gauge and the like, comprising a handle adapted to hold rigidly a screw gauging member on one side, other side of the said handle having a ratchet device having adjustable torque mechanism, the said ratchet device comprising a spindle, having step diameters at one end and the other and being threaded, one step diameter of the said spindle adaptable for mounting a spring and the second step diameter having a key rigidly fixed on it, a pair of mated toothed ratchet wheels slideably mounted on the said spindle after mounting the said spring and each of the said toothed ratchet wheels having a circular rack face and a slotted sleeve member, one of the said slotted sleeve member being slideable on the said key and inside of the said spring, a torque head partially knurled on outside surface, slideably mounted over the said toothed ratchet wheels and having two tapped holes for screwing two set screws, the said two set screws having shaped ends slideable in the slots provided in sleeve member of the said second toothed ratchet wheel, the said threaded end of the said spindle having provided with a washer, a nut and a lock nut in the order for adjusting the torque of the said ratchet device.

Complete specification 19 pages.

Drg. 5 sheets.

Ind. Cl. : 32F1 [IX(1)]

161583.

Int. Cl. : C07C—25/28.

A PROCESS OF MAKING RING HALOGENATED STYRENES.

Applicant : YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM, 46, JABOTINSKY STREET, JERUSALEM, ISRAEL.

Inventors : (1) HAROLD WIENER, (2) RONNY NEUMANN AND (3) YOEL SASSON.

Application No. 86/BOM/1985 filed on April 6, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

16 Claims.

A process for preparing a ring-halogenated styrene monomer comprising heating an α -bromoethyl halobenzene at a temperature in the range of about 100°—250°C in the presence of a polymerization inhibitor whereby a corresponding ring-halogenated styrene and hydrobromic acid are formed.

Comp. Specn. 23 pages.

Drg. 1 sheet.

Ind. Cl. : 13A [XL(1)] & 83 B₁ [XIV(5)].

161584.

Int. Cl. : B 65 b 31.04.

IMPROVEMENTS IN OR RELATING TO BAG MADE FROM THIN PLASTIC SHEET FOR STORING AND PRESERVING ARTICLES IN VACUUM.

Applicant & Inventors : PRIYAL KHANDERAO KULKARNI & VIJAY PRIYAL KULKARNI, BOTH ARE AT MOHOR, 64/17, ERANDAWANE, PUNE-411004, MAHARASHTRA, INDIA.

Patent Application No. 133/BOM/1985 filed on 17th May, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims.

A bag made from thin plastic sheet for storing and preserving any article in vacuum, the mouth of bag comprising a configuration of having two openings formed by sealing of a trapezoidal portion on the mouth so that a small straight or tapered opening is formed at one end of the mouth of the said bag and a larger opening on the other side of the said sealed portion so that the said larger opening be used for filling any article and the said smaller opening used for evacuating air from the bag.

Complete Specn. 7 pages.

Drg. 2 sheets.

Ind. Cl. : 86 E [LXVI].

161585

Int. Cl. : A 47C—3/20, 9/00.

IMPROVED MULTI STEP STOOL/PLATFORM.

Applicant & Inventor : JOHN BENJAMIN, OF NO. 1, ALEXANDRA ROAD, GHORPURI PUNE-411 001, MAHARASHTRA, INDIA.

Application No. 233/BOM/85 filed on Sept. 2, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office, Bombay Branch.

4 claims

1. An improved Multi Step Stool/Platform comprising a plurality of segments assembled together, each of the said segments consisting of a number of legs one or more braces provided between the said legs, a step provided between

two legs, a top/seat/platform provided on a seat frame fixed at the upper ends of the said legs, a plug provided at one end of each leg and a socket provided at the other end of each leg, at least one clamp provided to the seat frame member, arrangement being such that when the segments are placed one above the other, the said plugs at the ends of the legs of one segment engage in the respective sockets provided at the ends of the legs of the other adjacent segment, and the said clamp of one segment is engaged to the brace of the other adjacent segment, and one side of each segment is kept clear in order to permit the sliding of segments one under the other for stacking.

Comp. Specn. 5 pages.

Drgs. 2 sheets.

Ind. Cl. : 129N [XXXVI].

161586

Int. Cl. : B 23k—3/00.

DE-SOLDERING GUN.

Applicant : JOHN BENJAMIN OF NO. 1 ALEXANDRA ROAD, GHORPURI, PUNE-411 001 MAHARASHTRA, INDIA.

Application No. : 298/BOM/1985. Filed on the 29th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office, Bombay Branch.

4 claims

1. A De-Soldering Gun comprising a soldering iron, a pistol type grip fitted to the said soldering iron, a low pressure/vacuum creating means actuated by a finger operated lever/tigger biasedly pivoted to the said soldering iron and linked to the said vacuum creating means, a De-Soldering Gun bit fitted at the end of the said soldering iron and the said De-Soldering Gun bit comprising a soldering iron bit and a solder trap chamber connected through a tube to the said vacuum creating means, the said soldering iron bit having a shank for engaging into the soldering iron, a nozzle for heating and sucking the solder to be extracted, a broadened portion having a flat surface, a heat insulating seal provided on the said flat surface, the said solder trap chamber fitted over the said seal with the help of a screw threaded into a central hollow projection connecting the said nozzle, and being provided with transverse hole/s for passage of the molten solder into the said solder trap chamber, another heat insulating seal being provided between the top of the said chamber and the said screw.

Comp. Specn. 5 pages.

Drg. 1 sheet.

CLASS : 20A [DLII (2)].

161587

Int. Cl. : B42D—11/00, 12/00.

MECHANICAL BOOK KEEPING DEVICE.

Applicant : VISHVAS VISHVANATH DESHMUKH, 573/5, JANGLI MAHARAJ ROAD, PUNE-411 004, MAHARASHTRA, INDIA.

Application No. : 345/BOM/1985 filed on the 19th December, 1985.

Cognate application No. 315/BOM/1986 filed on 17th November, 1986.

Comp. after Prov. left on the 2nd February, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office, Bombay Branch.

3 claims

A mechanical book keeping device comprising of a ledger consisting of ruled ledger sheets, a pair of covers binded together with the help of spiral, comb or ring type mechanism, a pair of profiled channels fixed to the side covers of the ledger, at least one peg runner slidably provided inside

the said profiled channels and a master sheet with a series of perforated holes on at least one side, the said holes are provided according to the pegs of the peg runner and the gap between the holes is equal to the gap between the two adjacent lines of the said ruled ledger sheet.

Comp. Specn. 10 pages. Drg. 1 sheet.

Prov. Specn. 5 pages. Drg. 1 sheet.

Prov. Specn. of Cognate Application 6 pages. Drg. 1 sheet.

Ind. Cl. : 85A, 98D+E.

161588

Int. Cl. : F 23b—15/02.

REGENERATIVE BURNERS.

Applicant : THERMAX PRIVATE LIMITED. AN INDIAN COMPANY, OF CHINCHWAD, PUNE-411 019 MAHARASHTRA, INDIA.

Inventor : NARENDRA DATTAIRAYA JOSHI.

Application No. : 368/BOM/85. Filed on the 31st Dec. 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office, Bombay Branch.

3 claims

1. Regenerative burners mounted on opposite or opposing walls of the furnace, comprising a reversible burner and a regenerator provided with an air jacket, integral or rigidly connected thereto, wherein : (i) the said reversible burner comprises a burner block leading into a furnace, a burner rod and a burner housing having a passage/opening; (ii) the said regenerator consists of a refractory lined vessel having a passage/opening integral or connected to the said passage/opening of the reversible burner housing, said vessel containing a plurality of pieces of shaped ceramic material, an outlet for flue gases connected to an induced draft fan through a valve, an outlet for the shaped ceramic material, an inlet for the shaped ceramic material, and an inlet connected to a forced draft fan through a valve for combustion air.

Comp. Specn. 7 pages.

Drg. 1 sheet.

Ind. Cl. : 48 B, 151 C.

161589

Int. Cl. : HO 2G—11/00

GUIDE CHAIN FOR GUIDING ENERGY LINES.

Applicant : KABELSCHLEPP GmbH. (A WEST GERMAN COMPANY) OF MARIENBORNER STR 75, 5900 SIEGEN, W. GERMANY.

Inventor : WERNER MORITZ, OF WETZLARER STRASSE 122, 5900 SIEGEN, WEST GERMANY, GERMAN NATIONAL.

Application No. 37/Bom/1986. Filed on 29th, January, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

5 Claims

1. A guide chain for guiding energy lines, between a fixed connection and a movable consuming device; comprising a plurality of interconnectable chain links, each of which is comprised of a one-piece, U-shaped receiving member having two arms forming facing links of said chain link, which are interconnected by a crosspiece at one end; each of said chain links is provided with a stop means, disposed between the links of adjacent chain links, to limit the two-way pivot angle of adjacent inter-connected chain links; a holding element disposed on the second end of each of said links, each of said holding elements projects inwardly toward the other facing link of the chain link; and a flexible cover strip retained between said holding elements in a self-supporting manner for spanning the open portion of each of the said U-shaped receiving members of said chain links.

Complete specification—8 pages.

Drawing—2 sheets.

Ind. Cl. : 5 C

161590

Int. Cl. : AO 1D — 1/04, 1/06, 45/10

AN IMPROVED HARVESTING KNIFE FOR HARVESTING SUGAR CANE AT OR BELOW SOIL LEVEL.

Applicant : THE DIRECTOR, DECCAN SUGAR INSTITUTE, A RESEARCH INSTITUTE REGISTERED UNDER PUBLIC TRUSTS ACT AND HAVING ITS REGISTERED OFFICE AT : MANJARI (BK), DISTRICT PUNE, PIN CODE-412 307, MAHARASHTRA, INDIA.

Inventors : SONBA DINKAR KAMTHE, RANGANATH SUKHDEO KADAM.

Application No. 143/Bom/86. Filed on : 12 May, 1986. Complete after provisional left on 13 April, 1987.

Appropriate office for the opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

5 Claims

1. An improved harvesting knife for harvesting sugar cane at or below soil level comprising a knife blade having a grip or handle at its one end secured thereto by rivets/screws or the like, one side of the said blade having blunt edge near the grip and outwardly tapering sharp cutting edge thereabove, the top free end is along one plane to form a blunt edge, the other side of said blade is straight near the top free end and is having inwardly tapering blunt edge connecting the said grip end and said blade near its top blunt edge is provided with an arc bend forming a scoop so that said harvesting knife substantially resembles a hockey stick, as shown in Fig. 3 of the drawing accompanying the provisional specification and the said arc bend forming a scoop is provided with a sharp cutting edge.

Provisional specification : 7 pages.

Drawings : 1 sheet.

Complete specification : 10 pages.

Drawings : 1 sheet.

Ind. Cl. : 129 J.

161591

Int. Cl. : B 21 B — 1/00.

A PROCESS FOR MAKING HOLLOW METAL SECTIONS.

Inventor & Applicant : KAMBYAN VALAPIL RADHA-KRISHNAN NAIR, AT FLAT NO. 2/9, BUILDING NO. A 2/1, JEEVAN BEEMA NAGAR, BORIVLI (W), BOMBAY-400 103, MAHARASHTRA, INDIA, AN INDIAN NATIONAL.

Application No. 224/Bom/1984. Filed on : 14th August, 1984. Complete after provisional left on 11th November, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

4 Claims

1. A process for making hollow metal sections by rolling comprising making a hollow metal mass/ingot/billet/slug, stuffing the hollow of the said mass/ingot/billet/slug with removable metal or a non-metal core, sealing both ends of the mass/ingot/billet/slug, hot rolling/cold rolling the said mass/ingot/billet/slug to reduce the cross-section and increase the length, removing the rolled section from the rolling mill, cutting off the ends of metal section and removing the core material by blowing or melting or other conventional methods of core extraction and finishing the inside and the outside of the metal section by conventional means.

Provisional specification : 2 pages.

Drawing : Nil.

Complete specification : 6 pages.

Drawing : one sheet.

Ind. Cl. : 125 B.

161592

Int. Cl. : G 01 f — 11/10.

A DISPENSING MACHINE FOR DELIVERING PRE-DETERMINED QUANTITY OF LIQUID.

Applicant & Inventor : ANAND VASANT BAM, 24, ANANT COLONY, 685/3, BIBVEWADI, PUNE-411 037. MAHARASHTRA, INDIA.

Application No. 270/Bom/1984. Filed on September 27, 1984.

Complete after provisional left November 26, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claim

A dispensing machine for delivering pre-determined quantity of liquid comprising main container to hold bulk liquid, vertical supports or guides reaching upto the bottom of the container for upward and downward movement of a cradle characterised in that over these supports there travels a cradle mechanism with the help of a belt, upper end of which is connected to an eccentric mechanism driven by a motor via a train of reduction gears or as a variation the said eccentric mechanism can be worked manually, over the said cradle mechanism there is fitted a standard measure with the help of hinged joint with a stopper such that the said measure is taken in upward and downward direction which is accomplished by the said eccentric mechanism, arrangement being such that with every upward travel the measure carries liquid which after reaching the upper edge of the container tends to tilt by virtue of the said hinged joint to drop the contents in a hopper.

Complete Specification 6 Pages; Drawing 1 Sheet.

Provisional Specification 3 Pages; Drawings—Nil.

Ind. Cl. : 32E IX(1), 201C II(4) 161593

Int. Cl. 8 : C02b—1/46, C08f—27/04

Title : A PROCESS FOR PREPARING AN ELECTRON EXCHANGE RESIN SPECIFICALLY SUITED FOR THE REMOVAL OF IRON FROM WATER.

Applicant : ION EXCHANGE (INDIA) LIMITED, AN INDIAN COMPANY AT TIECICON HOUSE, DR. E. MOSES ROAD, MAHALAXMI, BOMBAY-400 011, MAHARASHTRA, INDIA.

Inventors : (1) SUNILKUMAR BHATTACHARJYA, (2) ARVIND MANOHAR KULKARNI AND (3) DR. VIJAY SHRIPAD KAMAT.

Application No. 274/Bom/1984 filed on 28 Sept. 1984.

Complete after provisional filed on 16th December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims

A process for preparing an electron exchange resin specifically suited for removal of dissolved iron from water which comprises reacting a cation exchanger in the hydrogen form with manganous salt and treating thereafter with an alkali and an oxidising agent in any order, the manganous salt being preferably a chloride or sulfate, the cation exchanger being a sulphonated styrene di-vinylbenzene resin, and alkali being sodium or potassium hydroxide solution and the oxidising agent being a manganese based oxidising agent preferably sodium or potassium permanganate.

Prov. Specn. 3 pages, Drgs. Nil.

Comp. Specn. 7 pages, Drgs. Nil.

Ind. Cl. : 98F [VII (2)] 90 I [XXXVI] 161594

Int. Cl. : CO 3 — 17/32.

Title : A NOVEL METHOD OF REPAIRING GLASS LINED SURFACES OF VESSELS, REACTORS, AGITATORS, THERMOWELS AND THE LIKE.

Applicant : CHAINSUKH SOBHACHAND GANDHI, 162, WELLESLEY ROAD, PUNE-411 001, MAHARASHTRA, INDIA.

Application No. 279/Bom/1984. Filed on : Oct. 8, 1984. Complete after provisional left on Jan 8, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

2 Claims

(1) A novel method of repairing glass lined surfaces of vessels, reactors, agitators, thermowels and the like comprising graining the damaged portion of the glass lined surface to expose the metal surface below and to form smooth edge surrounding the said damaged portion which is further cleaned to remove any dust, chemicals, oils and the like which may obviously affect bonding of the specially prepared cement the said specially prepared cement is applied over the cleaned surface and covered by a plastic film, there is applied pressure with the help of wooden blocks securely held by suitable fixtures, the said blocks having internal configuration conforming to the shape of the damaged glass lined portion; heat is applied for 3 to 5 hours for curing the said specially prepared cement compound.

Provisional specification : 7 pages. Drawings : 1 sheet.

Complete specification : 7 pages. Drawings : 2 sheets.

Ind. Cl. : 119 A + B.

161595

Int. Cl. : DO 3d — 49/56, 49/38.

Title : A MECHANISM FOR ABSORBING THE EXTRA MOMENTUM OF THE MOVING PARTS IN CHECKING OF SHUTTLE ON AUTOMATIC/NON-AUTOMATIC UNDERPICK/OVERPICK LOOMS.

Applicant : AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION, P.O. POLYTECHNIC AHMEDABAD-380 015.

Inventors : 1 SAMIR RAJANIKANT JOSHI.

2 RAMKRISHNA BABURAO JADHAV.

3. LALJIBHAI TRIVEDI.

Application No. 298/Bom/84. Filed on ; Oct. 27, 1984.

Complete after provisional left Dec 16, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

6 Claims

1. A mechanism for absorbing extra momentum of moving parts in checking shuttle movement in automatic/non-automatic underpick/overpick looms, comprising a pneumatic shock absorber constituted by a piston, a housing such as a cylinder for said piston, said piston being axially movable in said housing against a compression spring and air-pressure created by the speed of movement of the piston due to an orifice located at the end of the housing such that the said orifice is not blocked by the movement of the piston, and the free end portion or the free end of the piston being covered by a shock absorbing material, said pneumatic shock absorber being disposed near the picking stick such that the latter on being struck by the shuttle, strikes on the said covered free end of the piston and the momentum pushes the piston in the cylinder housing against spring and air-pressure.

Provisional specification : 7 pages. Drawings : 1 sheet.

Complete specification : -2 pages. Drawings : 2 sheet.

Ind. Cl. : 119A + B-[XXI (3)]

161596

Int. Cl. : DO 3d — 49/36

Title : A MECHANISM FOR ABSORBING THE EXTRA MOMENTUM OF THE MOVING PARTS IN PICKING ON AUTOMATIC/NON-AUTOMATIC OVERPICK LOOMS

Applicants : AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION, P.O. POLYTECHNIC, AHMEDABAD-380 015, GUJARAT, INDIA.

Inventors : (1) SAMIR RAJANIKANT JOSHI &
(2) RAMKRISHNA BABURAO JADHAV.

Application No. 299/Bom/1984. Filed Oct, 27, 1984.
Comp. after prov. left—Dec. 16, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims

A mechanism for absorbing the extra momentum of the moving parts in picking on automatic/non-automatic over-pick looms, comprising a pneumatic shock absorber constituted by a piston, a housing such as a cylinder for said piston, said piston being axially movable within the said housing against a compression spring and air pressure created by the speed of movement of the piston, due to an orifice located at the end of the housing such that the said orifice is not blocked by the movement of the piston, and the free end portion or the free end, of the piston covered by a shock absorbing material said pneumatic shock absorber being so fitted on the loom frame that the picking bowl strikes on the said covered free end of the piston thereof just after the end of its stroke and before the picker reaches a buffer located at one end of the loom spindle.

Comp. Specn. 10 pages, Drgs. Nil.

Prov. Specn. 7 pages, Drgs. 3 sheets.

Class : 134A +C 161597

Int. Cl. : B62K — 11/14

Title : A SPLIT HANDLE BAR FOR TWO WHEELER AND THREE WHEELER MOTOR VEHICLES.

Applicant : BAJAJ AUTO LIMITED, OF AKURDI, PUNE-411 035, MAHARASHTRA, INDIA.

Inventors : (1) NAMDEO PREMLAL AMBULE
(2) SATISH BAPURAO BHALERAU AND
(3) ASHOK VISHWANATH SARWATE.

Application No. 327/Bom/1984. Filed on 24 Nov, 1984.
Comp. after prov. left on 12 Dec, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims

A split handle bar for two wheeler and three wheeler motor vehicles, comprising a lower half shell having an integral collar adapted to be fixed to the steering tube of the vehicle, said shell having half sleeve shaped arms extending to the right and the left from its middle portion, an upper shell or cover adapted to be fitted to said lower half shell by pressing in a known manner a tubular bar clamped to said lower half shell and extending to the right and the left, sleeves fixed on said bar, to which ends of cables for operating the acceleration control and speed control gears of the vehicle are anchored and pulleys fitted on brackets fixed within said lower half shell over which said cables are passed.

Prov. Specn. 6 pages, Drg. 2 sheets.

Comp. Specn. 7 pages, Drg. Nil.

CLASS : 107 G + I. 161598

Int. Cl. : FO 2m-25/14, 43/00.

Title : AN APPARATUS FOR IMPROVING THE EFFICIENCY OF CARBURETTED INTERNAL COMBUSTION ENGINE.

Applicant & Inventor : ROMESH CHANDRA DUTT, INDIAN NATIONAL OF "ATUL" GONDAL ROAD, RAJKOT-2, GUJARAT STATE, INDIA.

Application No. 357/Bom/84 filed on 26th December, 1984.

Complete after provisional left on 25th March, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972), Patent Office, Bombay Branch.

1 Claim

1. An apparatus for improving the efficiency of carburetted internal combustion engine, comprising a bottle reservoir, filled with a higher octane fuel additive fluid, connected with a rigid end of a pipe, the other end of pipe being connected to a valve provided between the carburetor and the intake manifold; the said carburetor and intake manifold are also connected to said valve by pipes and respectively, at its bottom port; the said fluid in the bottle is a mixture of detergents 1/5%, inhibitors 2—10%, lubricants 5—15%, fire retardants 1—5%, coolants 1—5% alongwith an alcohol based solvent 60—90% and having an octane rating of 140 to 200, arrangement being such that when vacuum is created in the intake manifold by pressing the engine accelerator, the vacuum is also created in the valve by traversing of the fuel and air mixture from the carburetor to the intake manifold, through pipe and the bottom port of the valve, and the fluid from the bottle is drawn into the valve through the pipe which is also fed alongwith the air fuel mixture into the intake manifold.

Prov. Specn. 3 pages

Drg. Nil.

Compl. Specn. 6 pages.

Drg. 1 sheet.

CLASS : 13 A [XL (1)] & 23 F [XL (3)]. 161599

Int. Cl. : A 45c-3/02, B 65d-33/02, 33/30.

Title : IMPROVEMENTS IN OR RELATING TO BAGS OR BRIEF CASE.

Applicant : V.I.P. INDUSTRIES LTD., OF VIP HOUSE, 88C OLD PRABHADEVI ROAD, BOMBAY-400 025, MAHARASHTRA, AN INDIAN COMPANY.

Inventor : SHASHIKANT LAXMAN KULKARNI.

Application No. 8/Bom/1985 filed on 5th January, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch-13.

7 Claims

1. A bag or brief case having a narrow base relative to its large main side walls and adapted to rest on the narrow base, made of a flexible material and herein before described and having metal reinforcing members fixed to the upper edges of the two main side walls, the ends of the reinforcing members being bent inwardly, the adjacent ends of the two opposed reinforcing members having by a pin having a spiral spring around it, the ends of brackets fixed to them, which brackets are hinged together the spring being anchored to the said brackets, the springs maintaining the mouth of the bag open to the desired extent.

Compl. Specn. 8 pages.

Drg. 1 sheet.

CLASS : 73 [XXII(2)].

161600

Int. Cl. : DO 6C-1/06, 1/08, 3/02.

Title : IMPROVEMENTS IN OR RELATING TO A STENTER CLIP.

Applicant : PROMATEX MACHINERY PRIVATE LIMITED, DHANRAI MAHAL, CHHATRAPATI SHIVAJI MAHARAJ MARG, BOMBAY-400 039, MAHARASHTRA, INDIA.

Inventor : VASANT VYANKATESH APTE.

Application No. 16 Bom 1985, filed on 11th January, 1985

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972), Patent Office, Bombay Branch.

3 Claims

1. An improved stenter-clip wherein the clipbody is made from a pressed metal sheet (e.g. stainless steel) with a V-bend in the middle and a projection at the rear for mounting the conveyor roller chain thereon and a right-angled bend in the front adapted for mounting thereon the clip-gate carrier also made of pressed metal sheet (e.g. stainless steel), the V-bend adapted to hold two pairs of ball bearings, one pair on each arm of the V-bend, second mentioned projection being vertically downward with a U-turn and a horizontal portion for resting a stainless steel table plate for receiving the clip-gate having a knife edge in its bottom which can hold the fabric by wedge action between the knife-edge and table plate and alternatively or in addition a lug made of pressed metal sheet (e.g. stainless steel) to carry the pin bar carrier and the locking pin plate carrier assemblies for holding the fabric on pins during the pin operations of the stenter.

Compl. Specn. 9 pages.

Drgs 2 sheets.

OPPOSITION PROCEEDING

(1)

The application for Patent No. 156738 (215/Bom/1982) by SLM-Maneklal Industries Limited, Gujarat, in respect of which an opposition was entered by M/s. Harish Textile Engineers Private Limited, Bombay as notified in the Gazette of India, Part III, Section 2 dated the 19th April, 1985 has been treated as withdrawn.

(2)

The application for Patent No. 155933 (151/Mas/82) by the Fertilizers and Chemicals, Travancore Limited, for which an Opposition was entered by Projects and Development India Limited, as notified in the Gazette of India, Part III, Section 2, dated the 16th November, 1985, has been treated as withdrawn.

(3)

An opposition has been entered by M/s. Polar Fan Industries Ltd. to grant of a Patent on application No. 159696 dated 23rd August, 1983 made by M/s. Jay Engineering Works Ltd.

(4)

An opposition has been entered by M/s. Audco India Limited to grant of a Patent on application No. 159589 dated 28th July 1983 made by M/s. Rockwell International Corporation.

(5)

An opposition as entered by M/s. Kay Laboratories Pvt. Ltd. to the grant of a Patent on application No. 150203 made by Hindustan Lever Limited as notified in the Gazette of India, Part III, Section 2 dated 5th March, 1983 has been treated as withdrawn but a Patent on the same application cannot be sealed since another copending opposition on the application succeeded (for the other case please peruse the separate notification).

(6)

The opposition entered by M/s. Lay Laboratories to the grant of a Patent on application No. 150203 made by M/s. Hindustan Lever Ltd. as notified in the Gazette of India, Part III, Section 2 dated 5-3-1983 has been allowed and the grant of a Patent on application refused.

PATENTS SEALED

144629 153404 154277 157765 157774 158442 158663 158665
158666 158667 158668 158679 158680 158681 158682 158683
158684 158685 158688 158689 158699 158700 158702 158703
158704 158705 158707 158711 158712 158714 158715 158724
158725 158726 158729 158730 158132 158772 158773
158782 158786 158792.

RENEWAL FEES PAID

140782 142035 142326 142352 142429 142474 142537
142607 142621 142668 143486 143602 143807 144007
144073 144807 144876 145046 145173 145230 145517
145681 145795 145882 146498 146516 146622 146644
146773 146912 146995 147144 147159 147546 147547
147616 147712 147789 147890 147955 148099 148315
148429 148468 148603 148663 148670 148773 148774
148776 148777 148823 148845 148880 148881 148891
148933 149110 149225 150026 150036 150055 150087
150163 150213 150833 151083 151274 151554 151649
151800 151807 151911 151955 152132 152137 152172
152307 152308 152309 152374 152572 152596 152721
152999 153001 153003 153008 153027 153047 153048
153049 153053 153056 153060 153092 153102 153105
153117 153118 153119 153178 153186 153187 153188
153225 153367 153369 153381 153414 153531 153432
153433 153515 153648 153690 153763 153802 153811
153820 153970 153971 153972 154038 154065 154080
154238 154239 154242 154312 154380 154382 154422
154551 154552 154556 154558 154565 154569 154571
154686 154688 154689 154700 154724 154725 154727
154730 154758 154760 154847 154849 155010 155028
155046 155132 155150 155204 155213 155295 155360
155379 155383 155513 155589 155627 155684 155685
155732 155745 155816 155965 155981 156067 156158
156205 156221 156300 156368 156459 156462 156544
156790 156815 156819 156872 156880 156881 156887
156903 156910 156961 156981 156982 156984 156986 157008
157011 157063 157092 157094 157175 157249 157262
157265 157375 157388 157400 157410 157438 157442
157475 157476 157478 157491 157504 157519 157521
157526 157527 157528 157548 157567 157568 157599
157600 157606 157607 157608 157614 157639 157640
157641 157643 157644 157645 157666 157691 157692
157694 157695 157698 157700 157701 157755 157792
157832 157835 157855 157901 157940 157954 157980
157982 157988 158001 158003 158004 158005 158022
158043 158044 158050 158103 158115 158124 158125
158126 158130 158141 158143 158145 158162 158166
158191 158192 158212 158335 158338 158454 158496

CESSATION OF PATENTS

152394.

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 147286 granted to Hindustan Lever Limited for an invention relating to "preparation of allylic terpenic esters".

The patent ceased on the 15-2-82 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 23-5-87.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 26th February, 1988 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 146610 granted to Hindustan Lever Limited for an invention relating to "hair conditioning shampoo".

The patent ceased on the 17-6-81 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 23-5-87.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 26th February, 1988 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 149765 granted to Hindustan Lever Limited for an invention relating to "deodorant detergent Composition and process of preparing the same".

The patent ceased on the 9-1-84 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 23-5-87.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 26th February, 1988 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF ASSIGNMENTS, LICENCES ETC. (PATENTS)

(1)

In pursuance of an application dated 9th May 1985, National Research Development Corporation of India has been registered as proprietors by virtue of an assignment deed dated 3rd November 1983 and made between Council of Scientific & Industrial Research of the one part and National Research Development Corporation of India of other part in respect of Patent No. 148321.

(2)

In pursuance of an application received on 24th August 1985, National Research Development Corporation of India has been registered as proprietors by virtue of an assignment deed dated 5th October, 1984 and made between Council of Scientific & Industrial Research of the one part and National Research Development Corporation of India of other part in respect of Patent No. 148080.

(3)

In pursuance of an application received on 27th September, 1985, National Research Development Corporation of India has been registered as proprietors by virtue of an assignment deed dated 21st September, 1984 and made between Council of Scientific & Industrial Research of the one part and National Research Development Corporation of India of other part in respect of Patent No. 150173.

(4)

In pursuance of an application received on 24th September, 1985, National Research Development Corporation of India has been registered as proprietors by virtue of an assignment deed dated 18th June 1984 and made between Council of Scientific & Industrial Research of the one part and National Research Development Corporation of India of other part in respect of Patent No. 150565.

(5)

In pursuance of an application received on 11th July 1985, National Research Development Corporation of India has been registered as proprietors by virtue of an assignment deed dated 1st September, 1983 and made between Council of Scientific & Industrial Research of the one part and National Research Development Corporation of India of other part in respect of Patent No. 143181.

(6)

In pursuance of an application received on 9th May 1985, National Research Development Corporation of India has been registered as proprietors by virtue of an assignment deed dated 19th October, 1982 and made between Council of Scientific & Industrial Research of the one part and National Research Development Corporation of India of other part in respect of Patent No. 131718.

(7)

In pursuance of an application received on 25th October, 1985, National Research Development Corporation of India has been registered as proprietors by virtue of an assignment deed dated 1st September 1983, and made between Council of Scientific & Industrial Research of the one part and National Research Development Corporation of India of other part in respect of Patent No. 135065.

(8)

In pursuance of an application received on 13th October, 1985, National Research Development Corporation of India has been registered as proprietors by virtue of an assignment deed dated 15th February, 1986 and made between Council of Scientific & Industrial Research of the one part and National Research Development Corporation of India of other part in respect of Patent No. 139957 and 144003.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 158184. Takahiro Imahashi, of 321-25, Higashi-Motomachi, Kokubunji, Tokyo, Japan. "Two spindle Faceter". 31st March, 1987.

Class. 1. No. 158185. Takahiro Imahashi, of 3-21-25, Higashi-Motomachi, Kokubunji, Tokyo, Japan. "Four Spindle Faceter". 31st March, 1987.

Class. 1. No. 158336. Premchand Gulabchand Shah an Indian trading as Prabhat Mill Stores Co., a Proprietorship firm of 138, Canning Street Calcutta-700 001, West Bengal, India. "Bearing Housing". 18th May, 1987.

Class. 1. No. 158338. Dhawn Hardware, 3562, Gali Singh, Bazar Sita Ram, Delhi-110006 (India) an Indian Partnership Firm. "Bolt". 21st May, 1987.

Class. 1. No. 158408. Suraj Industries, 31-Galaxy Comm. Centre, Jawahar Road, Rajkot-360 001 (Gujarat) (India), a regd. Partnership Firm. "Crusher Bowl". 9th June, 1987.

Class. 1. No. 158471. Tarun Samon D-867, New Friends Colony, New Delhi-110065, India, An Indian National. "Laminating Machine". 30th June, 1987.

Class. 3. No. 158328. Eagle Flax Private Limited, an Indian Company, at Eagle Estate, Talegaon 410 507, Maharashtra State, India. "Casserole". 12th May, 1987.

Class. 3. No. 158331. Mepheronss Limited, a Company incorporated under the laws of the State of Victoria, Australia, of 525 Collins Street, Melbourne, Victoria 30000, Australia. "A Retractable Blade Knife". Reciprocity date is 12th November, 1986. (Australia).

Class. 3. No. 158344. V.I.P. Industries Limited, of V.I.P. House, 88-C, Old Prabhadevi Road, Bombay-400025, Maharashtra, India, an Indian Company. "Briefcase". 22nd May, 1987.

Class. 3. Nos. 158356, 158357. Weston Electronics Limited, Okhla Industrial Estate, New Delhi-110020, India. An Indian Company. "Cabinet of Television". 26th May, 1987.

Class. 3. No. 158368. Establishments Regnault, A Societe Anonyme organised under the law of France, of Chemin des Huguenots 26000 Valence, France. "Ball Point Pen". 27th May, 1987.

Class. 3. No. 158372. Establishments Regnault, A Societe Anonyme organised under the law of France, of Chemin des Huguenots 26000 Valence, France. "Table Ball Point Pen". 27th May, 1987.

Class. 3. No. 158182. Tarlochan Singh Surie, Sole Proprietor of Gurbachan Electronics and Electricals of Post Box No. 17, Dimapur 797112, Nagaland, India, an Indian National. "Radio Cum Cassette Recorder & Player". 31st March, 1987.

Class. 3. No. 158183. Tarlochan Singh Surie Sole, Proprietor of Gurbachan Electronics and Electricals of Post Box No. 17, Dimapur 797112, Nagaland, India, an Indian National. "Radio Cum Cassette Recorder & Player". 31st March, 1987.

Class. 13. Nos. 158047, 158048. United Riceland Private Limited, a company incorporated under the provisions of Indian Companies Act, at 412 Jolly Bhavan No. 2, 7, New Marine Lines, Bombay-400 020, State of Maharashtra, India. "Cloth Bag". 24th February, 1987.

Extn. of Copyright for the Second period of five years.

Nos. 152148, 152192, 152193—Class-1.

Nos. 152149, 152215, 152224, 152225—Class-3.

No. 152150—Class-4.

No. 152134—Class-5.

Extn. of Copyright for the Third period of five years
No. 152578—Class-10.

R. A. ACHARYA
Controller General of Patents,
Designs and Trade-Marks.

